

MPE Exposure Formula:

$$S = (P \times G) / (4 \times \pi \times d^2)$$

where:

S = power density

P = transmitter conducted power in (mW)

G = antenna numeric gain

d = distance to radiation center (m) or $(.02^2) = .020$ m

902 MHz (Omni antenna)

Enter Data in Linear Units					
Gain =	8.3	Numeric	EUT ant.:	9.2	dBi
Power =	407	mW	EUT power:	26.1	dBm
Frequency =	902	MHz	MPE limit:	0.601	mW/cm ²
Cable Loss =	0	dB			
EIRP =	3388.44	mW		3388.44	mW
R (cm) =	21.1756831		S (20cm) =	0.674	

915.4 MHz (Omni antenna)

Enter Data in Linear Units					
Gain =	8.3	Numeric	EUT ant.:	9.2	dBi
Power =	457	mW	EUT power:	26.6	dBm
Frequency =	915	MHz	MPE limit:	0.610	mW/cm ²
Cable Loss =	0	dB			
EIRP =	3801.89	mW		3801.89	mW
R (cm) =	22.2705094		S (20cm) =	0.756	

928 MHz (Omni antenna)

Enter Data in Linear Units					
Gain =	8.3	Numeric	EUT ant.:	9.2	dBi
Power =	457	mW	EUT power:	26.6	dBm
Frequency =	927	MHz	MPE limit:	0.618	mW/cm ²
Cable Loss =	0	dB			
EIRP =	3801.89	mW		3801.89	mW
R (cm) =	22.1258942		S (20cm) =	0.756	

902 MHz (Yagi antenna)

Enter Data in Linear Units					
Gain =	16.6	Numeric	EUT ant.:	12.2	dBi
Power =	234	mW	EUT power:	23.7	dBm
Frequency =	902	MHz	MPE limit:	0.601	mW/cm ²
Cable Loss =	0	dB			
EIRP =	3890.45	mW		3890.45	mW
R (cm) =	22.6901532		S (20cm) =	0.774	

915.4 MHz (Yagi antenna)

Enter Data in Linear Units					
Gain =	16.6	Numeric	EUT ant.:	12.2	dBi
Power =	240	mW	EUT power:	23.8	dBm
Frequency =	915	MHz	MPE limit:	0.610	mW/cm ²
Cable Loss =	0	dB			
EIRP =	3981.07	mW		3981.07	mW
R (cm) =	22.7892562		S (20cm) =	0.792	

928 MHz (Yagi antenna)

Enter Data in Linear Units					
Gain =	16.6	Numeric	EUT ant.:	12.2	dBi
Power =	229	mW	EUT power:	23.6	dBm
Frequency =	927	MHz	MPE limit:	0.618	mW/cm ²
Cable Loss =	0	dB			
EIRP =	3801.89	mW		3801.89	mW
R (cm) =	22.1258942		S (20cm) =	0.756	